PATENT COOPERATION TREATY

TWO THE RECEIVED

DEC 1 0 2002

PC Woodcock Washburn Kurtz

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

To:
MICHAEL P. STRAHER
WOODCOCK WASHBURN LLP
ONE LIBERTY PLACE - 46TH FLOOR
PHILADELPHIA, PA 19103

Applicant's or agent's file reference

International application No.

UDC-0022

From the INTERNATIONAL SEARCHING AUTHORITY

RECEIVED DEC 1 0 2002

DOCKET DEPT. WWKMN

Date of Mailing (day/month/year)	0 6 DEC 2002
FOR FURTHER ACTION	See paragraphs 1 and 4 below
International filing date (day/month/year)	
27 Aug	gust 2002 (27.08.2002)

PCT/US02/27202			(day/month/year)	
	oplicant HE UNIVERSITY O	F SOUTHERN CALIFORNIA	27 August 2002 (27.08.2002)	
1.	The applican	nt is hereby notified that the international searc	ch report has been established and is transmitted herewith.	
	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):			
	When?	The time limit for filing such amendments is international search report.	normally two months from the date of transmittal of the	
	Where?	Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.		
	For more	e detailed instructions, see the notes on the ac	companying sheet.	
2.		nt is hereby notified that no international searce)(a) to that effect is transmitted herewith.	h report will be established and that the declaration under	
3.	With regard	d to the protest against payment of (an) additi	onal fee(s) under Rule 40.2, the applicant is notified that:	
	applic	ant's request to forward the texts of both the p	n transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.	
4.	Reminders			
	applicant wishes to must reach the Inte	avoid or postpone publication, a notice of w	I application will be published by the International Bureau. If the ithdrawal of the international application, or of the priority claim, 1 and 90 bis.3, respectively, before the completion of the technical	
	examination must be date (in some Office	e filed if the applicant wishes to postpone th	f some designated Offices, a demand for international preliminary to the national phase until 30 months from the priority within 20 months from the priority date, perform the prescribed tes.	
	In respect of other of	designated Offices, the time limit of 30 month	s (or later) will apply even if no demand is filed within 19 months.	
	See the Annex to I Guide, Volume II, I	Form PCT/IB/301 and, for details about the National Chapters and the WIPO Internet site.	applicable time limits, Office by Office, see the PCT Applicant's	

Name and mailing address of the ISA/US
Commissioner for Patents
Box PCT
Washington, D.C. 20231
Facsimile No. (703)305-3230

Authorized officer

Marie R. Yamnitzky

DEBOCANTYCMAS
PARCETORAL SPECIALIST

Telephone No. (703) 308-0661

Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UDC-0022	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where application 5 below.	
International application No. PCT/US02/27202	International filing date (day/mont. 27 August 2002 (27.08.2002)	h/year)	(Earliest) Priority Date (day/month/year) 08 April 2002 (08.04.2002)
Applicant THE UNIVERSITY OF SOUTHERN CA	LIFORNIA		
This international search report consists It is also accompanied It is also accompanied Basis of the Report a. With regard to the language, language in which it was filed the international search was Authority (Rule 23.1(b)). b. With regard to any nucleotide search was carried out on the contained in the international filed together with the international filed together with the international filed together with the international furnished subsequently to the	of a total of sheets. d by a copy of each prior art documents the international search was carried on the international search was carried on the basis of a translate cand/or amino acid sequence disclossasis of the sequence listing: al application in written form. Inational application in computer readults Authority in written form.	nent cited out on the lis item. ion of the lised in the lised in the liable form.	basis of the international application in the international application furnished to this international application, the international
the statement that the subsectinternational application as		sting does	not go beyond the disclosure in the
2. Certain claims were found 3. Unity of invention is lackin 4. With regard to the title, the text is approved as submother than the text has been established	ng (See Box II).	:	
5. With regard to the abstract, the text is approved as subm the text has been established within one month from the o	l, according to Rule 38.2(b), by this	Authority : earch repo	as it appears in Box III. The applicant may, rt, submit comments to this Authority.
6. The figure of the drawings to be put as suggested by the applicant because the applicant failed because this figure better ch	to suggest a figure.	o	None of the figures

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/27202

	SSIFICATION OF SUBJECT MATTER			
IPC(7)	: H01B 1/00; H05B 33/00			
US CL	: 252/500, 501.1, 519.2, 519.21; 428/690, 917;			
	International Patent Classification (IPC) or to both na DS SEARCHED	ational classification and IPC		
Minimum documentation searched (classification system followed by classification symbols) U.S.: 252/500, 501.1, 519.2, 519.21; 428/690, 917; 313/504, 506; 257/102, 103				
Documentation NONE	on searched other than minimum documentation to the	extent that such documents are included in	n the fields searched	
Electronic da Please See Co	ta base consulted during the international search (namontinuation Sheet	e of data base and, where practicable, sear	ch terms used)	
	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.	
х	US 4,066,569 A (LIM) 03 January 1978 (03.01.197 column 3, lines 9-17 and 23-29, and claims 4-7.	8), see the whole document, especially	46-52, 56, 89 and 99	
х	US 5,292,881 A (BERNETH et al) 08 March 1994 (especially column 1, lines 7-9 and c. 3, 1. 14 - c. 4,	(08.03.1994), see the whole document,	69-71	
х	US 5,110,835 A (WALTER et al) 05 May 1992 (05. 3, lines 13-22.		69, 71, 72 and 75	
х	US 4,618,453 A (KIM) 21 October 1986 (21.10.198 column 3, lines 11-26 and claims 12 and 14.	36), see the whole document, especially	1-3, 6, 11, 12, 15, 18,	
Y	US 6,350,534 B1 (BOERNER et al) 26 February 20		23, 26, 36, 38 and 39 1-102	
Y	document, especially column 3, line 27 - c. 4, l. 26.			
1	US 5,556,524 A (ALBERS) 17 September 1996 (17, line 5 - c. 2, l. 21, c. 3, l. 4-17 and claims 7-9.	.09.1996), see the abstract, column 1,	1-13, 15, 16, 18-23, 26, 27, 29, 30, 36, 38- 40, 83-85, 87, 93-95 and 97	
A	US 5,247,226 A (SATO et al) 21 September 1993 (2	21.09.1993), see the whole document.	1-102	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
• Sp	pecial categories of cited documents:	"T" later document published after the inter	mational filing date or priority	
	defining the general state of the art which is not considered to be lar relevance	date and not in conflict with the applica principle or theory underlying the inver	ation but cited to understand the	
"E" earlier app	plication or patent published on or after the international filing date	"X" document of particular relevance; the c considered novel or cannot be consider when the document is taken alone	laimed invention cannot be red to involve an inventive step	
	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y" document of particular relevance; the c considered to involve an inventive step	when the document is	
	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the		
priority da	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent fi		
	ctual completion of the international search 002 (30.10.2002)	Date of mailing of the international searc	h report	
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Com Box I	missioner of Patents and Trademarks	Marie R. Yamnitzky PARALEGA	HTMCIMS LIGHT PAUSTON	
	hington, D.C. 20231 . (703)305-3230	Telephone No. (703) 308-0661	7)/2	
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INTERNATIONAL SEARCH REPORT	
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Continuation of B. FIELDS SEARCHED Item 3:	
EAST/USPAT,US-PGPUB	
search terms: charge, hole, electron, inject\$5, transport\$5, conduct\$5, organomet	al\$5, metal\$2organic\$1, metal\$5, organ\$3, chelat\$5
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Form PCT/ISA/210 (second sheet) (July 1998)